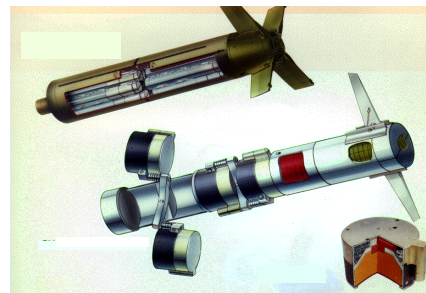


Acquisition Reform Success Story

Sensor Fuzed Weapon (SFW)



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Program Description

SFW is a 1,000-pound class, unpowered, top attack, wide area, cluster munition, designed to achieve multiple kills per aircraft pass against enemy armor and support vehicles. The weapon is designed to be employed from US Air Force tactical aircraft from altitudes between 200 feet Above Ground Level (AGL) to 20,000 feet Mean Sea Level (MSL) at speeds between 250 to 650 knots. The weapon's delivery envelope is being expanded to include strategic aircraft and higher altitudes through incorporation of the Wind Corrected Munitions Dispenser (WCMD) tail kit.

How Streamlining Made a Difference

An aggressive effort by the joint contractor/SPO Integrated Product Team is resulting in significant improvements in system effectiveness at no increase in unit cost. A Pre-Planned Product Improvement (P³I) Program will take the existing design and make modifications to the projectile sensor, incorporating a dual mode (active/passive IR) for better target detection; modify the warhead to enhance soft target lethality; and increase the system footprint for better target coverage. In addition, an insensitive explosive fill will replace the Octol used in the current warhead to satisfy Navy requirements for the BLU-108/B submunition used in one variant of the Joint Stand-Off Weapon (JSOW). At the same time, cost savings have been generated by reducing overhead, introducing more efficient production techniques, reducing lead times, and switching to a pressed warhead explosive fill procedure from a pour and cure method. The net result is much improved weapon performance (40% increase) at the same average unit production cost (AUPC).

Measure	From	To
System Performance	Baseline	40% increase
AUPC	Baseline	Baseline

Bottom Line: Through the introduction of shorter, more efficient methods (doing it **faster**), SFW is implementing dramatic improvements in performance (doing it **better**), while maintaining a constant unit production cost (*doing it **cheaper***).

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